

IN THE CLAIMS:

1. (currently amended) A constant velocity joint (11) in the form of a counter track joint with the following characteristics comprising:

an outer joint part (12) having a first longitudinal axis (A₁₂) and comprising first outer ball tracks (18) and second outer ball tracks (20);

an inner joint part (15) having a second longitudinal axis (A₁₅) and comprising first inner ball tracks (19) and second inner ball tracks (21);

the first outer ball tracks (18) and the first inner ball tracks (19) form first pairs of tracks;

the second outer ball tracks (20) and the second inner ball tracks (21) form second pairs of tracks;

the pairs of tracks each accommodate a torque transmitting ball (17₁, 17₂);

a ball cage (16) is positioned between the outer joint part (12) and the inner joint part (15) and comprises circumferentially distributed cage windows (24₁, 24₂) which each receive at least one of the balls (17₁, 17₂);

when the joint is in the aligned condition, the first pairs of tracks open in the central joint plane (E) in a first direction R₁, and

when the joint is in the aligned condition, the second pairs of tracks open in the central joint plane (E) in a second direction R₂,

~~characterised in in that wherein~~, when the joint is in the aligned condition, ~~the ratio V1 of the pitch circle diameter PCDS of the shaft toothing in the inner joint part (15) in the power of three relative to the product of the ball diameter DK squared and pitch circle diameter PCDB of the balls (17) assumes a value ranging between 0.9 and 1.3, i.e. the following condition is satisfied:~~

$$0.9 < V1 < 1.3 \text{ with } V1 = \text{PCDS}^3 / \text{DK}^2 \times \text{PCDB}$$

where PCDS is the pitch circle diameter of the shaft toothing in the inner joint part, DK is the ball diameter, and PCDB is the pitch circle diameter of the balls.

2.-20. (cancelled)